

Blast 2 Sequences

Exhibit 4

[NCBI](#)[Entrez](#)[BLAST 2 sequences](#)[BLAST](#)[Example](#)[Help](#)

BLAST 2 SEQUENCES

This tool produces the alignment of two given sequences using BLAST engine for local alignment. The stand-alone executable for blasting two sequences (bl2seq) can be retrieved from NCBI ftp site
Reference: Tatjana A. Tatusova, Thomas L. Madden (1999), "Blast 2 sequences - a new tool for comparing protein and nucleotide sequences", FEMS Microbiol Lett. 174:247-250

Program Matrix

Parameters used in BLASTN program only:

Reward for a match: Penalty for a mismatch:

Use Mega BLAST Strand option

Open gap and extension gap penalties

gap x_dropoff expect word size Filter Align

Sequence 1 Enter accession or GI or download from file

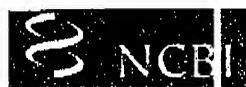
or sequence in FASTA format from: to:

Sequence 2 Enter accession or GI or download from file

or sequence in FASTA format from: to:

```
accggaaaggcgctc tagacttggtcg
```

Comments and suggestions to blast-help@ncbi.nlm.nih.gov



Blast 2 Sequences results

PubMed

Entrez

BLAST

OMIM

Taxonomy

Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.3 [Apr-24-2002]

Match: 1 Mismatch: 2 gap open: 5 gap extension: 2

x_dropoff: 50 expect: 10.00 wordsize: 11 Filter Align:

Sequence 1 gi 13027635 Homo sapiens endothelial differentiation, sphingolipid G-protein-coupled receptor, 1 (EDG1), mRNA **Length** 2753

Sequence 2 Jcl|seq_2 **Length** 25

No significant similarity was found